



#11
Rec'd Seq. List.
Amdt. B
7/10/02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of : Confirmation No. 8019
Takeru FUJII et al. : Docket No. 2001-0019A
Serial No. 09/757,655 : Group Art Unit 1648
Filed January 11, 2001 : Examiner S. Brown

A PEPTIDE HAVING AN AFFINITY
FOR gp120

THE COMMISSIONER IS AUTHORIZED
TO CHARGE ANY DEFICIENCY IN THE
FEES FOR THIS PAPER TO DEPOSIT
ACCOUNT NO. 23-0975

RESPONSE

Assistant Commissioner for Patents,
Washington, D.C. 20231

*One B' before
placed
els.*

Sir:

Responsive to the Notice dated March 27, 2002, there is submitted herewith, in a separate Preliminary Amendment, a paper copy of a Sequence Listing for the above-identified application which has been prepared in accordance with the sequence rules under 37 CFR 1.821-1.825. The Sequence Listing contains the identical sequences appearing in the original application papers. Thus, no new matter has been added.

There is also submitted herewith a copy of the Sequence Listing in computer readable form as required by 37 CFR 1.821(e). The content of the paper and computer readable copies are the same.

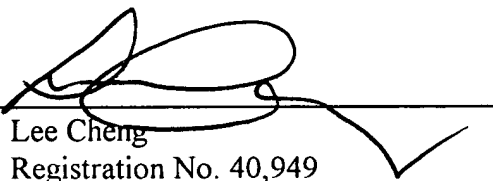
A copy of the Notice is also attached as required.

In view of the foregoing, it is believed that each requirement set forth in the Notice has been satisfied, and that the application is now in compliance with the sequence rules under 37 CFR 1.821-1.825. Accordingly, favorable examination on the merits is respectfully requested.

Respectfully submitted,

Takeru FUJII et al.

By: _____


Lee Cheng
Registration No. 40,949
Attorney for Applicants

LC/gtg
Washington, D.C. 20006-1021
Telephone (202) 721-8200
Facsimile (202) 721-8250
June 27, 2002



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/757,655	01/11/2001	Takeru Fujii	2001_0019A	8019

513 7590 03/27/2002

WENDEROTH, LIND & PONACK, L.L.P.
2033 K STREET N. W.
SUITE 800
WASHINGTON, DC 20006-1021



EXAMINER

BROWN, STACY S

ART UNIT PAPER NUMBER

1648

DATE MAILED: 03/27/2002

9

Please find below and/or attached an Office communication concerning this application or proceeding.

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APR - 1 2002
WENDEROTH, LIND & PONACK



UNITED STATES DEPARTMENT OF COMMERCE
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20231

SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.



EXAMINER	
ART UNIT	PAPER NUMBER
9	

Please find below a communication from the EXAMINER in charge of this application

This application contains sequence disclosures that are encompassed by the definitions for nucleotide and/or amino acid sequences set forth in 37 C.F.R. § 1.821(a)(1) and (a)(2). However, this application fails to comply with the requirements of 37 C.F.R. §§ 1.821-1.825 for the reason(s) set forth on the attached Notice To Comply With Requirements For Patent Applications Containing Nucleotide Sequence And/Or Amino Acid Sequence Disclosures.

APPLICANT IS GIVEN ONE EXTENDABLE MONTH FROM THE DATE OF THIS LETTER WITHIN WHICH TO COMPLY WITH THE SEQUENCE RULES, 37 C.F.R. §§ 1.821-1.825. Failure to comply with these requirements will result in ABANDONMENT of the application under 37 C.F.R. § 1.821(g). Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 C.F.R. § 1.136. In no case may an applicant extend the period for response beyond the six month statutory period. Direct the response to the undersigned. Applicant is requested to return a copy of the attached Notice to Comply with the response.

A reply to a notice to comply with the sequence rules should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office.

Please direct all replies to the United States Patent and Trademark Office via one (1) of the following:

1. Electronically submitted through EFS-Bio
(<http://www.uspto.gov/ebs/efs/downloads/documents.htm>), EFS
Submission User Manual - ePAVE)

2. Mailed to:
U.S. Patent and Trademark Office
Box Sequence, P.O. Box 2327
Arlington, VA 22202

3. Mailed by Federal Express, United Parcel Service or other delivery service to:

**U. S. Patent and Trademark Office
2011 South Clark Place
Customer Window, Box Sequence
Crystal Plaza Two, Lobby, Room 1B03
Arlington, Virginia 22202**

4. Hand Carried directly to the Customer Window at:

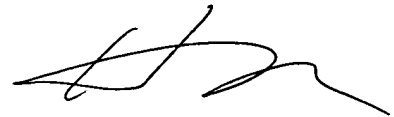
**2011 South Clark Place
Crystal Plaza Two, Lobby, Room 1B03, Box Sequence,
Arlington, Virginia 22202**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Stacy S. Brown whose telephone number is (703) 308-2361. If the examiner cannot be reached, inquiries can be directed to Supervisory Patent Examiner James Housel whose telephone number is (703) 308-4027. The fax number for the organization where this application or proceeding is assigned is (703) 308-4242.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 308-0196.

Stacy S. Brown

Stacy S. Brown
March 26, 2002



HANKYEL T. PARK, PH.D
PRIMARY EXAMINER



Application No.: 09/757,655

NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Applicant must file the items indicated below within the time period set the Office action to which the Notice is attached to avoid abandonment under 35 U.S.C. § 133 (extensions of time may be obtained under the provisions of 37 CFR 1.136(a)).

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

- ☐ 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to these regulations, published at 1114 OG 29, May 15, 1990 and at 55 FR 18230, May 1, 1990.
- ☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
- ☐ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
- ☒ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."
- ☐ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
- ☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
- ☐ 7. Other: _____

Applicant Must Provide:

- ☒ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
- ☒ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
- ☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216

For CRF Submission Help, call (703) 308-4212

PatentIn Software Program Support (SIRA)

Technical Assistance.....703-287-0200

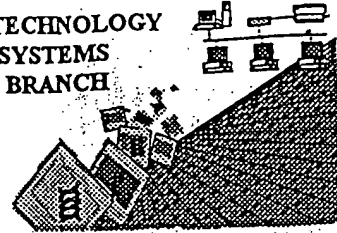
To Purchase PatentIn Software.....703-306-2600

PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR RESPONSE

2. Brown

Re-run

BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/757,655
Source: 1600
Date Processed by STIC: 2/21/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,
2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 09/757,655

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to 3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
"bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s). Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
(OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
(NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000
- 9 Use of n's or Xaa's
(NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa; and which residue n or Xaa represents.
- 10 Invalid <213>
Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
"bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.



16

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/757,655

DATE: 02/21/2002

TIME: 11:38:41

Input Set : A:\FUJII SEQUENCE LISTING.txt

Output Set: N:\CRF3\02212002\I757655.raw

Does Not Comply
Corrected Diskette Needed

pp 1-5

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JUL 08 2002

TECH CENTER 1600/2900

3 <110> APPLICANT: FUJII, Takeru
 4 YOKOYAMA, Hideakira
 5 HAMAMOTO, Hidetoshi
 7 <120> TITLE OF INVENTION: A PEPTIDE HAVING AN AFFINITY FOR gp120
 9 <130> FILE REFERENCE: 2001-0019A/LC/01732
 11 <140> CURRENT APPLICATION NUMBER: 09/757,655
 12 <141> CURRENT FILING DATE: 2001-01-11
 14 <150> PRIOR APPLICATION NUMBER: JP No. 2000-6182
 15 <151> PRIOR FILING DATE: 2000-01-11
 17 <160> NUMBER OF SEQ ID NOS: 19
 19 <170> SOFTWARE: PatentIn Ver. 2.0
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 5
 23 <212> TYPE: PRT
 24 <213> ORGANISM: Artificial Sequence
 26 <220> FEATURE:
 27 <223> OTHER INFORMATION: Description of Artificial Sequence: Peptide
 29 <220> FEATURE:
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 31 <222> LOCATION: (1)
 32 <223> OTHER INFORMATION: Xaa = Asp, Lys, Val, Glu, Gly, Asn or Tyr
 34 <220> FEATURE:
 W--> 35 <221> NAME/KEY: Residue
 36 <222> LOCATION: (2)
 37 <223> OTHER INFORMATION: Xaa = Val, Asp, Trp, Lys, Phe, Ile, Leu or Tyr
 39 <220> FEATURE:
 W--> 40 <221> NAME/KEY: Residue
 41 <222> LOCATION: (3)
 42 <223> OTHER INFORMATION: Xaa = Lys, Val, Asp, Arg, Ala or Trp
 44 <220> FEATURE:
 W--> 45 <221> NAME/KEY: Residue
 46 <222> LOCATION: (4)
 47 <223> OTHER INFORMATION: Xaa = Ala, Trp or Gly
 49 <220> FEATURE:
 W--> 50 <221> NAME/KEY: Residue
 51 <222> LOCATION: (5)
 52 <223> OTHER INFORMATION: Xaa = Gly, Ala, Val, Leu, Ile, Ser, Thr, Met, Asn, Gln, His,
 Lys, Arg,
 53 Phe, Trp, Pro or Tyr
 55 <400> SEQUENCE: 1
 56 Xaa Xaa Xaa Xaa Xaa
 57 1 5
 59 <210> SEQ ID NO: 2
 60 <211> LENGTH: 5

insufficient explanation
 give source
 of genetic
 material
 (see item
 on Encl
 Summary
 sheet)

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/757,655

DATE: 02/21/2002
TIME: 11:38:41

Input Set : A:\FUJII SEQUENCE LISTING.txt
Output Set: N:\CRF3\02212002\I757655.raw

61 <212> TYPE: PRT
62 <213> ORGANISM: Artificial Sequence
64 <220> FEATURE:
65 <223> OTHER INFORMATION: Description of Artificial Sequence: Peptide
67 <220> FEATURE:
W--> 68 <221> NAME/KEY: Residue
69 <222> LOCATION: (1)
70 <223> OTHER INFORMATION: Xaa = Asp, Lys, Val, Glu, Gly, Asn or Tyr, or polypeptide residue that an
71 arbitrary amino acid stood in line in the N-terminal side from this amino ac
73 <220> FEATURE:
W--> 74 <221> NAME/KEY: Residue
75 <222> LOCATION: (2)
76 <223> OTHER INFORMATION: Xaa = Val, Asp, Trp, Lys, Phe, Ile, Leu or Tyr
78 <220> FEATURE:
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80 <222> LOCATION: (3)
81 <223> OTHER INFORMATION: Xaa = Lys, Val, Asp, Arg, Ala or Trp
83 <220> FEATURE:
W--> 84 <221> NAME/KEY: Residue
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86 <223> OTHER INFORMATION: Xaa = Ala, Trp or Gly
88 <220> FEATURE:
W--> 89 <221> NAME/KEY: Residue
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91 <223> OTHER INFORMATION: Xaa = Gly, Ala, Val, Leu, Ile, Ser, Thr, Met, Asn, Gln, H:
Lys, Arg,
92 Phe, Trp, Pro or Tyr
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96 1 5
98 <210> SEQ ID NO: 3
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106 <220> FEATURE:
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109 <223> OTHER INFORMATION: Xaa = Asp, Lys, Val, Glu, Gly, Asn or Tyr
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113 <222> LOCATION: (2)
114 <223> OTHER INFORMATION: Xaa = Val, Asp, Trp, Lys, Phe, Ile, Leu or Tyr
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W--> 117 <221> NAME/KEY: Residue
118 <222> LOCATION: (3)
119 <223> OTHER INFORMATION: Xaa = Lys, Val, Asp, Arg, Ala or Trp
121 <220> FEATURE:
W--> 122 <221> NAME/KEY: Residue

PAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/757,655

DATE: 02/21/2002
 TIME: 11:38:41

Input Set : A:\FUJII SEQUENCE LISTING.txt
 Output Set: N:\CRF3\02212002\I757655.raw

123 <222> LOCATION: (4)
 124 <223> OTHER INFORMATION: Xaa = Ala, Trp or Gly
 126 <220> FEATURE:
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 128 <222> LOCATION: (5)
 129 <223> OTHER INFORMATION: Xaa = Gly, Ala, Val, Leu, Ile, Thr, Met, Asn, Gln, His, Lys
 Arg,
 130 Phe, Trp, Pro or Tyr, or polypeptide residue that an arbitrary amino acid
 131 stood in line in the C-terminal side of this amino acid, H
 133 <400> SEQUENCE 3
 W--> 134 Xaa Xaa Xaa Xaa Xaa
 135 1 5
 138 <210> SEQ ID NO: 4
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 140 <212> TYPE: PRT
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 144 <223> OTHER INFORMATION: Description of Artificial Sequence: Peptide
 146 <220> FEATURE:
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 148 <222> LOCATION: (1)
 149 <223> OTHER INFORMATION: Xaa = Tyr, Arg, Phe, Gly, Trp, His or Asp
 151 <220> FEATURE:
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 153 <222> LOCATION: (2)
 154 <223> OTHER INFORMATION: Xaa = Arg, Tyr, Trp, Ala, Val, Gln, His or Lys
 156 <220> FEATURE:
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 158 <222> LOCATION: (3)
 159 <223> OTHER INFORMATION: Xaa = Lys, Tyr, Arg, Glu, Met or Trp
 161 <220> FEATURE:
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 163 <222> LOCATION: (4)
 164 <223> OTHER INFORMATION: Xaa = Gly, Ala, Val, Leu, Ile, Ser, Thr, Met, Asn, Gln, His
 Lys, Arg,
 165 Phe or Trp
 167 <220> FEATURE:
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 169 <222> LOCATION: (5)
 170 <223> OTHER INFORMATION: Xaa = Gly, Ala, Val, Leu, Ile, Ser, Thr, Met, Asn, Gln, His
 Lys, Arg,
 171 Phe, Tyr or Trp
 173 <400> SEQUENCE 4
 W--> 174 Xaa Xaa Xaa Xaa Xaa
 175 1 5
 177 <210> SEQ ID NO: 5
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 182 <220> FEATURE:
 183 <223> OTHER INFORMATION: Description of Artificial Sequence: Peptide
 185 <220> FEATURE:

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/757,655

DATE: 02/21/2002

TIME: 11:38:41

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Output Set: N:\CRF3\02212002\I757655.raw

W--> 186 <221> NAME/KEY: Residue
 187 <222> LOCATION: (1)
 188 <223> OTHER INFORMATION: Xaa = Tyr, Arg, Phe, Gly, Trp, His or Asp, or polypeptide residue that an
 189 arbitrary amino acid stood in the N-terminal side from this amino acid
 191 <220> FEATURE:

W--> 192 <221> NAME/KEY: Residue
 193 <222> LOCATION: (2)
 194 <223> OTHER INFORMATION: Xaa = Arg, Tyr, Trp, Ala, Val, Gln, His or Lys
 196 <220> FEATURE:

W--> 197 <221> NAME/KEY: Residue
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W--> 202 <221> NAME/KEY: Residue
 203 <222> LOCATION: (4)
 204 <223> OTHER INFORMATION: Xaa = Gly, Ala, Val, Leu, Ile, Ser, Thr, Met, Asn, Gln, His, Lys, Arg,
 205 Phe or Trp
 207 <220> FEATURE:

W--> 208 <221> NAME/KEY: Residue
 209 <222> LOCATION: (5)
 210 <223> OTHER INFORMATION: Xaa = Gly, Ala, Val, Leu, Ile, Ser, Thr, Met, Asn, Gln, His, Lys, Arg,
 211 Phe, Tyr or Trp
 213 <400> SEQUENCE: 5
 214 Xaa Xaa Xaa Xaa Xaa
 215 1 5
 217 <210> SEQ ID NO: 6
 218 <211> LENGTH: 5
 219 <212> TYPE: PRT
 220 <213> ORGANISM: Artificial Sequence
 222 <220> FEATURE:
 223 <223> OTHER INFORMATION: Description of Artificial Sequence: Peptide
 225 <220> FEATURE:

W--> 226 <221> NAME/KEY: Residue
 227 <222> LOCATION: (1)
 228 <223> OTHER INFORMATION: Xaa = Tyr, Arg, Phe, Gly, Trp, His or Asp
 230 <220> FEATURE:

W--> 231 <221> NAME/KEY: Residue
 232 <222> LOCATION: (2)
 233 <223> OTHER INFORMATION: Xaa = Arg, Tyr, Trp, Ala, Val, Gln, His or Lys
 235 <220> FEATURE:

W--> 236 <221> NAME/KEY: Residue
 237 <222> LOCATION: (3)
 238 <223> OTHER INFORMATION: Xaa = Lys, Tyr, Arg, Glu, Met or Trp
 240 <220> FEATURE:

W--> 241 <221> NAME/KEY: Residue
 242 <222> LOCATION: (4)
 243 <223> OTHER INFORMATION: Xaa = Gly, Ala, Val, Leu, Ile, Ser, Thr, Met, Asn, Gln, His, Lys, Arg,
 244 Phe or Trp
 246 <220> FEATURE:

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/757,655

DATE: 02/21/2002
TIME: 11:38:41

Input Set : A:\FUJII SEQUENCE LISTING.txt
Output Set: N:\CRF3\02212002\I757655.raw

W--> 247 <221> NAME/KEY: Residue
248 <222> LOCATION: (5)
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Lys, Arg,
250 Phe, Tyr or Trp, or polypeptide residue that an arbitrary amino acid stood in
line
251 in the C-terminal side of this amino acid
253 <400> SEQUENCE: 6/
W--> 254 Xaa Xaa Xaa Xaa Xaa
255 1 5
257 <210> SEQ ID NO: 7
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259 <212> TYPE: PRT
260 <213> ORGANISM: Artificial Sequence
262 <220> FEATURE:
263 <223> OTHER INFORMATION: Description of Artificial Sequence: Peptide
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266 Gly Gly Asp Val Lys Ala Gly
267 1 5
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271 <212> TYPE: PRT
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275 <223> OTHER INFORMATION: Description of Artificial Sequence: Peptide
277 <400> SEQUENCE: 8
278 Gly Asp Val Lys Ala Gly
279 1 5
281 <210> SEQ ID NO: 9
282 <211> LENGTH: 6
283 <212> TYPE: PRT
284 <213> ORGANISM: Artificial Sequence
286 <220> FEATURE:
287 <223> OTHER INFORMATION: Description of Artificial Sequence: Peptide
289 <400> SEQUENCE: 9
290 Gly Tyr Tyr Lys Ala Ala
291 1 5
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294 <211> LENGTH: 6
295 <212> TYPE: PRT
296 <213> ORGANISM: Artificial Sequence
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303 1 5
305 <210> SEQ ID NO: 11
306 <211> LENGTH: 6
307 <212> TYPE: PRT
308 <213> ORGANISM: Artificial Sequence
310 <220> FEATURE:

*Please correct
this error in
subsequent sequence*

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/757,655

DATE: 02/21/2002

TIME: 11:38:42

Input Set : A:\FUJII SEQUENCE LISTING.txt

Output Set: N:\CRF3\02212002\I757655.raw

L:30 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
L:35 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
L:40 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
L:45 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
L:50 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
L:56 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:68 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:2
L:74 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:2
L:79 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:2
L:84 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:2
L:89 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:2
L:95 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:107 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3
L:112 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3
L:117 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3
L:122 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3
L:127 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3
L:134 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:147 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4
L:152 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4
L:157 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4
L:162 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4
L:168 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4
L:174 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:186 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5
L:192 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5
L:197 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5
L:202 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5
L:208 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5
L:214 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:226 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6
L:231 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6
L:236 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6
L:241 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6
L:247 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6
L:254 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6